

C L A I M S

- 1 1. An apparatus for improving productivity of human review of an
2 automatically transcribed output generated by an information processing system,
3 wherein the output is generated in response to an input, the apparatus comprising:
4 a. means for extracting an attribute from the output; and
5 b. means for selecting one of a plurality of human reviewers based on the
6 attribute.

- 1 2. The apparatus according to claim 1 wherein the attribute represents a
2 subject matter of the output, and further wherein the human reviewer is selected
3 based on a proficiency in the subject matter of the human reviewer.

- 1 3. The apparatus according to claim 1 wherein the attribute represents an
2 author of the input, and further wherein the human reviewer is selected based on a
3 predetermined designation by the author of the input.

- 1 4. The apparatus according to claim 1 further comprising means for
2 transmitting the input and the output to the selected human reviewer for review.

- 1 5. The apparatus according to claim 1 further comprising means for
2 automatically identifying potential errors contained in the output.

- 1 6. The apparatus according to claim 1 wherein the information processing
2 system includes a speech-to-text system.

- 1 7. An apparatus for facilitating review of an automatically transcribed
2 document generated by a media conversion system, wherein the document is
3 generated in response to an input, the apparatus comprising:
4 a. means for extracting a keyword from the document;
5 b. means for selecting one of a plurality of reviewers in response to the
6 keyword; and

7 c. means for transmitting the input and the document to the selected
8 reviewer for review.

1 8. The apparatus according to claim 7 wherein the apparatus is
2 configured for coupling to a speech-to-text system.

1 9. The apparatus according to claim 7 further comprising means for
2 storing a plurality of reviewer profiles, wherein each of the reviewer profiles
3 corresponds to one of the plurality of reviewers, and further wherein the reviewer
4 profiles are updated after the reviewer finishes review of the document.

1 10. The apparatus according to claim 9 wherein the keyword represents a
2 subject matter of the document and further wherein each of the reviewer profiles
3 includes words commonly used within a specific field of knowledge.

1 11. The apparatus according to claim 10 wherein the keyword represents
2 a name of an author of the input.

1 12. The apparatus according to claim 10 wherein the means for selecting
2 compares the keyword with each of the reviewer profiles to select the reviewer
3 according to a predetermined selection criteria.

1 13. The apparatus according to claim 7 further comprising means for
2 storing a plurality of user profiles, wherein each of the user profiles corresponds to
3 one of a plurality of users of the apparatus, and further wherein the user profiles
4 are adapted dynamically with corrections made by the reviewer.

1 14. The apparatus according to claim 7 further comprising means for
2 updating a list of available reviewers.

1 15. The apparatus according to claim 7 further comprising:
2 a. means for analyzing associate portions of the document with a
3 plurality of confidence levels of conversion accuracy;

4 b. means for marking the portions according to a corresponding one of
5 the plurality of confidence levels; and
6 c. means for displaying each portion in a predetermined color
7 representing the corresponding one of the plurality of the confidence
8 levels.

1 16. The apparatus according to claim 15 wherein the means for analyzing
2 is disposed to adaptively process the document according to information stored in
3 the user profiles.

1 17. The apparatus according to claim 7 further comprising:
2 a. means for selecting a portion of the document; and
3 b. means for outputting a portion of the input corresponding to the
4 portion of the document.

1 18. An apparatus for improving productivity of human review of an
2 automatically transcribed document generated by a speech-to-text conversion
3 system, wherein the document is generated from an audio recording recorded by an
4 author, the apparatus comprising:

5 a. a controller coupled to the speech-to-text conversion system for
6 selecting an appropriate one of a plurality of human reviewers to
7 review the document wherein, the controller is capable of extracting
8 an attribute from the document representative of a content of the
9 document and further wherein the controller stores a plurality of
10 reviewer profiles corresponding to each one of the human reviewers
11 and provides the selected reviewer in response to the attribute;
12 b. a transmission device coupled to the controller for transmitting the
13 document and the audio recording to the selected reviewer;
14 c. means for analyzing the transcription to associate portions of the
15 transcription with a plurality of confidence levels of transcription
16 accuracy, wherein each portion is marked according to one of the
17 plurality of confidence levels;

18 d. means for selecting one of the portions of the document in response
19 to a command from the reviewer; and
20 e. means for playing a portion of the voice recording corresponding to a
21 selected portion of the transcription.

1 19. The apparatus according to claim 18 wherein the controller also stores
2 a list of available reviewers, and further wherein the controller selects the selected
3 reviewer in response to comparing the attribute with the reviewer profiles and the
4 list of available reviewers.

1 20. The apparatus according to claim 18 wherein the attribute comprises a
2 list of keywords representative of a subject matter of the document and further
3 wherein each of the reviewer profiles comprises words relevant to the subject
4 matter.

1 21. The apparatus according to claim 18 wherein the attribute comprises a
2 name of the author of the voice recording and further wherein each of the reviewer
3 profiles comprises a list of authors that a corresponding reviewer has served.

1 22. The apparatus according to claim 18 further comprising:
2 a. means for establishing a connection between an author of the voice
3 recording and the reviewer; and
4 b. displaying the document to solicit comments from the author.

1 23. The apparatus according to claim 18 wherein the means for analyzing
2 is disposed to adaptively process the document according to information stored in
3 the user profiles.

1 24. The apparatus according to claim 18 further comprising a means for
2 displaying for displaying the document for the reviewer.

1 25. The apparatus according to claim 24 wherein the means for displaying
2 comprises a color monitor.

1 26. The apparatus according to claim 18 wherein the means for selecting
2 comprises a speech recognition system for receiving verbal commands from the
3 reviewer.

1 27. The apparatus according to claim 18 wherein each portion of the
2 document is displayed in a color representing a corresponding confidence level.

1 28. The apparatus according to claim 18 wherein the means for playing
2 further comprises means for varying a playback speed of the voice recording.

1 29. A method of improving productivity of human review of an
2 automatically transcribed document generated by an information processing
3 system, wherein the document is generated in response to an input, the method
4 comprising the steps of:

- 5 a. extracting an attribute from the document; and
- 6 b. selecting one of a plurality of human reviewers based on the attribute.

1 30. The method according to claim 29 wherein the step of selecting
2 includes comparing the attribute with a plurality of reviewer profiles each
3 corresponding to a respective one of the plurality of reviewers.

1 31. The method according to claim 29 wherein the step of selecting
2 includes the steps of:

- 3 a. identifying an author of the input;
- 4 b. retrieving stored data about the author, wherein the stored data
5 includes a roster of the reviewers who have previously served the
6 author; and
- 7 c. choosing one of the reviewers from the roster.

1 32. The method according to claim 29 further comprising the steps of:
2 a. automatically identifying a portion of the document which is potentially
3 erroneous;
4 b. playing an audio portion of the voice recording corresponding to the
5 portion of the document upon a command of the human reviewer; and
6 c. making corrections to the document.

1 33. The method according to claim 32 wherein the audio portion of the
2 voice recording is played back at a reviewer selectable speed.

1 34. The method according to claim 29 further comprising the steps of:
2 a. analyzing the transcription with a plurality of confidence levels of
3 transcription accuracy; and
4 b. displaying each of the portions in a predetermined color according to
 the confidence level.

1 35. The method according to claim 29 further comprising the step of
2 automatically correcting grammatical and typographical errors of the transcription.

1 36. The method according to claim 29 further comprising the steps of:
2 a. establishing a connection between an author of the voice recording
3 and the reviewer; and
4 b. displaying the transcription to the author to solicit comments.